Car Multi-media Player

USUAL MANUAL

DVB-T ISDB-T ATSC-MH

Before using the unit, please read the handbook carefully and store it safely for future reference.

Version：MST776-02XF

Welcome!

Thank you for purchasing our company multimedia player! To operate the unit correctly,please read the owner 's manual carefully before using the unit . Keep these instructions and retain this booklet for future reference.

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SimpleToubleshooting Guide

Problem	Cause\Solution
No power	✧ Check and make sure whether the fuse is blown, replace with theproper value ifnecessary.
Some errors occur in the **LCD** or no function when pressing the button.	✧ Press the **RESET** button.
Unable to receive stations.	✧ Check and make sure whether the antennais inserted or the antenna is properly connected if so.insert the antenna or connect it properly.
Poor effect on receiving a station.	✧ Antenna may not be the proper length.Make sure the antenna is fully extended or broken.if broken,Replace the antenna with a new one. ✧ The broadcasting signal is too weak. ✧ The antenna is poorly grounded,check and make sure the antenna is properly grounded at its mounting location.
ACDs cannot be loaded.	✧ **A CD**s is loaded in the mechanism
The stereo indicator" ◌◌ " is flashing.	✧ Tune in the frequency accurately. ✧ The broadcasting signal is too weak. (Set to the **MONO** mode) (page 12).
No picture.	✧ The Video line from main unit to the **TV** is not connected properly.
The picture noise appcars.	✧ Improper setting of the color system set the color system to "**PAL**"or"**NTSC**"according to the connected television. ✧ The **CD**s.is dirty or damaged.

Touchscreen sensitivity adjustment

Method one：click touch check cion of SYS setting on the Setting interface，

Method two：On Radio mode interface ,Press fastly number 8 three times on the Remote，

then enter touchscreen adjustment interface, When this screen is open, press the markings in the corners and center of the screen in the order they are marked:1st > 2nd > 3rd > 4th > 5th

Specification

General

Power Requirements……..….11.5~14.5V
Load Impedance…….…..…4Ω
Max.Power Output……..……45W×4
Tone Controls……..……±8dB(Bass 100Hz,Treble 10KHz)
Mounting Dimensions…….Approx .178×100×183mm(dxwxh)
Weight……. …Approx. 3.20kg
Resolution……..800X3(RGB)X480

DVD Deck Spection

Discs Played……...DVD\VCD\MP3、CD、CD-R、CD-RW、PICTURE-CD
Video System ……..AUTO \ PAL \ NTSC
Mounting Angle……0 to+\-30º

Video Spection

Video System…… …..…… …..…16:9Letter Box and 16: 9 Pan Scan
Video Output Level……...…….1.0Vp-p75 ohms
Horizontal Resolution……500

Audio Spection

Maximum Output Level……2Vrms(+\-3Db)
Frequency Response……20 to 20 Khz
Signal-to-noise Ration……...85 dB
Separation……..80 dB

AM Tuner Spection

Frequency Range……522-1620(Europe\China), 530-1710 (U.S.A)
IF Range…… …… ……...450MHz
Usable Sensitivity(-20 dB) ……25 Db

FM Tuner Spection

Tuing Range…… …… ……87.5-108(Europe\China),87.5-107.9(U.S.A)
IF Range…… ……..10.7MHz
Usable sensitivity(-30dB) ……15dB
Signal-to-noise-Ratio……60dB
Stereo Separation… …… ……. . …30dB(1KHz)

Main Function Description

1、6.2 inch / 7 inch digital color TFT-LCD with touchscreen.
2、The second floor of touch screen（RGB）from the main interface and the bottom and with Graphical User Interface.
3、Motoized slide down detachable front panel.
4、MP4/DVD/VCD/MP3/ CD/CD-R/CD-RW/DIVX/JPEG compatible.
5、Built-in AM / FM / RDS receiver system 30 stations memory (18 FM & 12 AM)
6、PAL / NTSC color system.
7、Auto store & preset scan.
8、On screen display opration menu.
9、Mechanism/electronic anti-shock.
10、LO/DX & ST/MO selector.
11、Preset EQ (POP/ROCK/CLASSIC).
12、Repeat random/intro.
13、Clock function.
14、Mute control.
15、Audio input & output，Vidio input & output.
16、Sub-woofer output.
17、Rear camera input，Parking vedio input.
18、USB/SD/MMC interface.
19、45W*4 high power output.
20、Built-in TV system (Optional item：DVB-T、ISDB-T、ATSC-MH、Analog).
21、PIP function （PICTURE IN PICTURE）.
22、Built in Bluetooth 2.0 function，support Direct Dialing、Caller ID、Phone book、BT Mucic etc.
23、Built-in GPS Navigation system with CE 6.0 operation system.
24、Support connected IPOD ，touch screen control.
25、Dual-Zone Function(the front mainframe can play dvd ,and the headrest monitor in back side can playing others such as FM, watching TV）
26、Universal steering wheel control: with steering wheel control keys connected DVD features, can connect to any car DVD steering wheel controller.

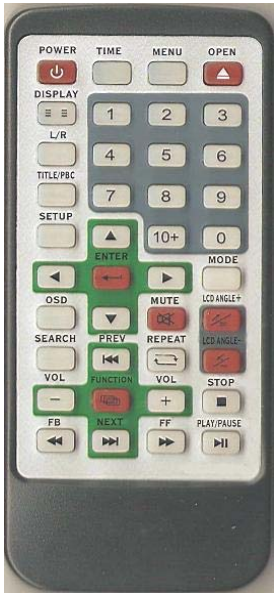
Front Panel Operation

1、MUTE （or MUTE/SEL）: Long press it into turn off TFT, then press it again can turn on TFT.
2、NAVI:
a)Short press the key to switch between current play state and navigation(press the key to enter navigation,press the key for another time to exit navigation).
b)Long press the key to turm on/off voice intervening play function of navigation under other states
3、PWR/MOD： Long press it into turn on/off power, Short press it into switch mode
4、DBAS: Press it into sub-woofer， press it again to turn off sub-woofer
5、MBP:audio L/R sound switch

Remark: Click the central area on the above or below the panel can adjust the angle of the panel，when on radio、bluetooth、ipod、dvd、aux、tv mode.

Remote Control

1、POWER: Press it to Power switch on/off power key
2、TIME: Press once to turn on the time display and turn it again to turn off the display
3、MENU: Enter primary interface of the system
4、OPEN: press this key for ejecting/suctioning disc
5、TITLE/PBC: Press to return to title status the during DVD Playback/Switch on/off PBC menu
6、0-9: To input digits when selecting track/station ,and to select disc number in CDC mode
7、DISPLAY: Press to display the playback status of the current disc
8、SETUP: Access setup menu to setup the paramerers in DVD mode
9、L/R: Press to cycle switching audio channel output in DVD mode
10、10+: Press to add every time when inputting digits
11、UP/DOWN,LEFT/RIGHT: To select items in DVD setup status
12、ENTER: To confirm the selection of settings
13、MODE: Press to cycle selecting DVD.Radio,CDC, TV,AV,BLUETOOTH,IPOD,GPS mode
14、OSD: Press to display OSD menu ,press again to cancel it
15、MUTE: Long press it into turn off TFT, then press it again can turn on TFT.
16、LCD ANGLE +/-: Press it to adjust the TFT panel display angle
17、SEARCH: Search whole band/ TV channels in AM/FM/TV mode
18、PREVIOUS : Press once to skip to previous track in DVD or CDC mode , or skip the previous stationin FM, AM,or TV mode
19、REPEAT: Press to repeat tack , chapter , all disc or cancel repeat in DVD mode



Precautions

This unit can play the following discs only:
:

Type of disc	Label on the disc	Recorded aterial	Size of disc
DVD	DVD VIDEO	**Video and Audio**	**12cm\8cm**
VCD	VIDEO CD / COMPACT disc DIGITAL VIDEO	**Video and Audio**	**12cm\8cm**
MP3 / WMA	MP3 / Designed for Windows Media	**Audio**	**12cm\8cm**
MPEG 4 / DIVX	MPEG 4 VIDEO / DIVX	**Video and Audio**	**12cm\8cm**
CD	COMPACT disc DIGITAL AUDIO	**Audio**	**12cm\8cm**

Note:1.The unit is compatible with .DVD/MPEG4/VCD1.0/2.0/3.0 DVCD/CD-RW/CD-R/ PICTUER-CD version Disc
.2.The manual conforms to DVD/MPEG4/VCD/MP3 and CD/If no DVD/VCD or MP3 on some models you should ignore then. While enjoying DVD/MPGE4/VCD/MP3 and CD.The Display will automatically identify the discs and indicate the correspo nding words.

* Do not attempt to modify the unit,modifying the unit may cause an accident.
* Stop the vehicle before carrying out any operation that could interfere with your driving.
* Donot work in extreme high or low temperature inside the behicle is between+60℃and-20℃ before turning your unit on.
* To enjoy optimum sound and images while playing.

Handle the disc by its edge to keep the disc clean, and do not touch the surface.

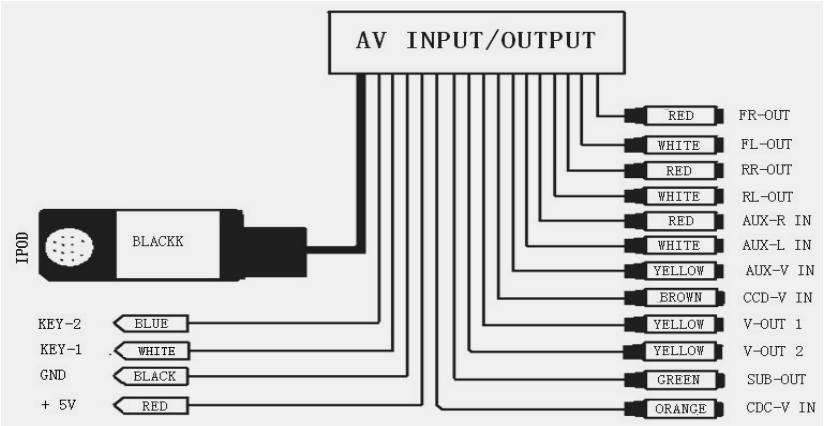
Do not use your CDs with paste residue or ink attached.

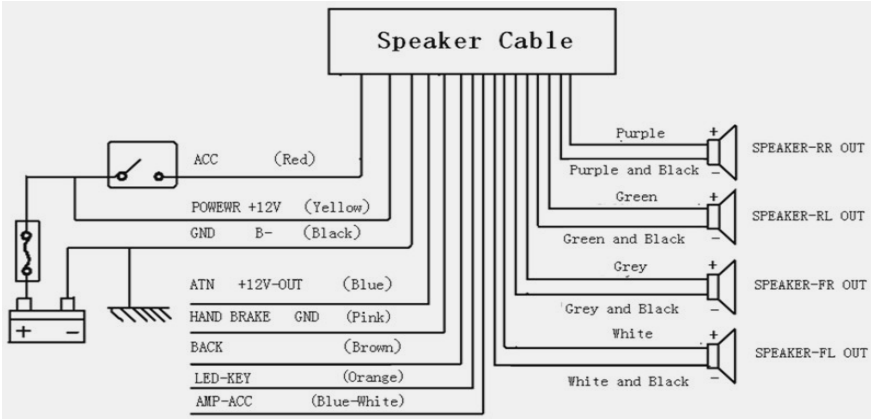
Do not use CDs with labels or stickers attached, which may leave a sticky residue while beginning to peel off.

Clean the discs with an optional cleaning cloth. Wipe each disc from center out.

* This feature is optional, please refer to unit. Under compressed motion pictures (DIVX/MPEG4), file names under extension AVI can be played back.

Circuit Connection





Notes on Installation

The unit is designed for12V~14.5V /DC,negative ground operation system,Before installing the unit,make sure your vehicle is connected to DC12V negatie ground electrical system.

The negative battery terminal must be disconnected before making connection,which can prevent damaging the unit due to short circuit.

Be sure to connect the color coded leads correctly according to the diagrams.Incorrect connections may cause the unit malfunction or damage the vehicle′s electical system.

Be sure to connect the speaker(+)lead to the speaker(+)terminal.Never connect the left and channel speaker cables together or to the vehicle body.

Do not block vents or radiator panels.Blocking them will cause heat to build up inside and may result in fire.

20、VOLUME -/+: Increase/Decrease the vloume in control status

21、FUNCTION: Press to access OSD MENU to adjust the TFT display playback status

22、STOP: During the DVD/VCD/MP3/CD mode ,press it will be stop

23、FB/FF (>>and <<): Press to fast reverse/forward playback in 2-20 times speeds in playback status

24、PALY/PAUSE: Press once to cycle through playback or pause and in FM , AM , TV mode , it is searching funtion key

25、NEXT/PREV (>>I and I<<): The functions of this button are identical to the Seek buttons on the faceplate of Please refer to “Front Panel Controls” on page 5 for a description of these functions (Seek is button #9).

Main Interface Introduction

1) Radio mode touch button
2) DVD touch button (when disc inside then the button can be effect)
3) .USB/SD touch button (when DVD/USB/SD card insert then the button (MODE)can be effect)
4) GPS touch button (when GPS connected then the button can be normal used)
5) Power on/off touch button, touch once will power off.
6) TV receiver touch button
7) User general setup touch button, please do not setup inner parameter so that its will affect the using effect.
8) AUX Output touch button
9) User normal setup touch button, which mainly used for setting image and sound effect.
10) Screen slide up touch button
11) Bluetooth function touch button, when Bluetooth function available for the unit then the button can be normal used.
12) Screen slide down touch button
13) CDC/DVDC function touch button, when CDC connected then the button can be used.
14) Eject touch button, insert or eject disc when DVD playing.
15) IPOD button, insert or eject disc when IPOD playing.

System Setting

Click **Setting** cion on the Main Menu can enter the system setting.

1、Video Setting （Diagram 2）

Click Video Setting cion on the Setting interface can enter the Video setting interface,then can Adjust Contraet、Brightnesst、Sharpness、Hue、Saturation，and also can click Default cion return back into the system default of factroy preset,or click Exit cion return back into the full-screen playback status,or click Return cion return back to the previous menu interface

2、Audio Setting （Diagram 3 ）

Click Audio Setting cion on the Setting interface can enter the Audio setting interface,then can Adjust EQ、reble、Bass、Surround、Loud，and also can click Default cion return back into the system default of factroy preset,or click Exit cion return back into the full-screen playback status,or click Return cion return back to the previous menu interface

3、Time Setting （Diagram 4 ）

Click Time Setting cion on the Setting interface can enter the Time setting interface,then can Adjust EQ、reble、Bass、Surround、Loud，and click Exit cion return back into the full-screen playback status,or click Return cion return back to the previous menu interface

4 、System Setting （Diagram5 ）

Click System Setting cion on the Setting interface can enter the Audio setting interface，then can Adjust Menu Language、Rear Camera、Rear Camera Mirror、Beep、Touch Check (Touchscreen sensitivity adjustment)，and click Exit cion return back into the full-screen playback status,or click Return cion return back to the previous menu interface

5、Zone Setting (Diagram 6)

Click Zone Setting cion on the Setting interface can enter the Audio setting interface,then can Adjust Zone、Rear Surce、Audio Surce、Navi.V、NAVI Background sound，and click Exit cion return back into the full-screen playback status,or click Return cion return back to the previous menu interface

Click Rear Surce cion on the Setting interface ,then click ◄ or ► cion to select rear surce：DVD、Radio、TV etc，Zone divided single-zone and dual-zone . If you select dual-zone can enter PIP function,and can can be realized before and after the station video / audio separation

Diagram 1

Diagram 2

Diagram 3

Diagram 4

Diagram 5

Diagram6

GPS Navigation Operation(Optional)

Software Request：

- Operating System VER : Wince.Net 6.0 Core
- COMM Port=COM2 Baud Rate=9600
- Physical Resolution: 800*480*RGB

Software Install：

1、 Plug the navigation software SD card, at the control interface as follow:

2、 click“”icon，system enter the system setting interface, as follow:

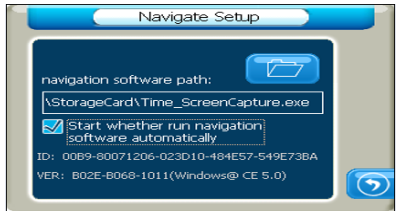
3、 Select navigation setting “”icon，enter as follow:

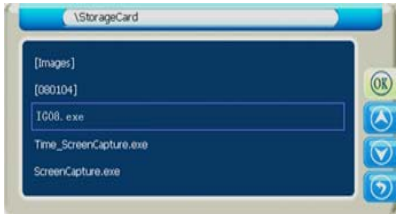
4、 Click“”icon，enter as follow:

5、 Choose the right path of the navigator(suffix:”.exe”).

6、 Accord to navigation software store path（here can multi-select “operate automatically navigation software when start”），select navigation software，click“”and exit，back to control interface，as follow:

7、 Fist click cion,then click **Navigation** cion can enter the navigation.





DVB-T Operation (Optional)

Fifth、Program information in display
When the DVB system playing in full screen, press DISPLAY button shows the current broadcast program information.
Sixth、Looking back at the show
When the DVB system playing in full screen, press ENTER key to return to the previous play-off TV (or radio) program.
Seventh、Channel programs and language switch
1、When the DVB system playing in full screen, press MENU button to return to the main menu, select the current programm language broadcast type and the list of left and right channels switch. such as figure:
2、 Press LEFT/RIGHT button to cycle selection left/right channels and stereo , Press UP/DOWN button move up/down to choose language of voice;
3、 After complete set up, press ENTER button to confirm choice to return to the state of broadcast programs ,or press CTRL button to exit the menu ,but does not save your settings.
Eighth、Menu of Electronic Program Guide (EPG)
1、If you would like to know now or in the future period of time, will play broadcast programs and program information, you can press 『MENU』 button on the remote control for enter electronic program menw, such as menu interface.Enter EPG menu to acquiescence enter the Daily Mode, the state menu is divided into 7 parts ,
（1）part 1 showst the TITLE;
（2）Part 2 shows a list of time;
（3）Part 3 shows a detailed list of date;
（4）Part 4 shows a list of programs, you can press UP/DOWN button to moved up or down to switch between different programs;
（5）Part 5 shows the program displays the current time and program information, you can press the FB or FF to choice view week cycle Day corresponding to the time the current program, and program information;
（6） Part 6 show detail the program in the Part 5
（7） Part 7 shows the message of button
2、into the Weekly Mode, the main show in a week a list of current programs in different time periods will be broadcast programs and program information,
（1）Press FR&FF button part in Figure 3 to switch between Saturday---Sunday
（2）Press UP/DOWN button move up or down in Figure 5 to switch between different programs.
（3）Press LEFT/RIGHT button part in Figure 6 to select watch program information in different time.
（4）In the menu of Electronic Program Guide, press RETURN button to exit the menu of Electronic Program Guide.
Ninth、Teletext
1、If you want to watch Teletext, you can press MENU button on the remote control into Main Menu, then enter the Program Guide menu Page,
2、In page of Teletext , enter the three number jump to the corresponding page to watch ;
3、Press UP button turns into view the Previewious page, Press DOWN button turn into the next page
4、Press LEFT button Back 100 pages, Press RIGHT button forward 100 pages;
5、Press CTRL or RETURN button to exit Teletext.
Tenth、Operate system of the main menu
Open the platform, If want to set up information of digital television, you need to enter the system of Digital TV, Press『MENU』button into the main menu,such as figure:
In state of the main menu,press UP/DOWN button to select Digital TV ,then press ENTER button once into the Digital TV menu,such as figure：
Installation option is the realization of the search television or broadcast programs ， includeing:
1、Search for programs by region;
2、Manual search programs;
3、Auto scan the programs.
In the Digita TV menu ,press UP/DOWN to selected Installation then press ENTER key, prompt enter the password “0000”, through the remote control number keys 0-9 input, after the correct password to enter the Installation Menu ,such as figure

PIP Operation(Optional)

One:PIP In Radio/BT Music/IPOD MODE
1、 Click **Setting** icon into setting interface,then click **Zone Setting** icon into Zone Setting）
2、 Change Zone function **Single zone** to **Multiple zone**
3、 Then change Rear Source function to TV、DVD、IPOD、CDC or AUX。
4、 Then click Area ①, first display GPS ，click again can show PIP programe

Two:PIP In GPS MODE (optional item)
1、 First click top middle area above the panel，then show PIP option function program on the left side on the screen（Diagram ： PIP MENU），then click option pleased PIP program .and PIP play videos can move to any position
2、 If you want to turn off PIP function，click top middle area above the panel，then show PIP option function program on the left side on the screen （Diagram ： PIP MENU），，then click PIP to turn off PIP show.

PIP MENU

Stored Radio Station

Radio Screen:

Click Radio cion on the Main Menu can enter the Radio function
1、 The machine Radio function have 5 bands:FM1、FM2、FM3、AM1、AM2，each band can be stored six radio stations, total 30 stations.
2、Radio operation:
2.1: FM: Press the Band icon can be switch between FM1、FM2、 FM3
AM: Press the Band icon can be switch between AM1、AM2
2.2: Search Radio: Click or icon can be automatically search the radio band ,and will be auto save the searched band ,then return to the first radio stations.
2.3: Select station: click or cion to adjust ， when indicates the corresponding frequencies then will be play. 2.4: Fine-tuning function: click or cion,up or down automatically search for the best radio frequency when the current,so to receive the best results.
2.5: Click Area ① can control Dual-Zone play,enter PIP function

RDS Operation

1.Press this button to choose radio channels' name,pls refer to details user manual

2.Press PTY,when PTY is on,it means there is strong RDS signals output

3.Press TA,when TA is on,it means the unit is automatically track RDS radio channels

IPOD Operation

Prees MODE button to enter IPOD mode.

1. Touch PLAY botton to play the media
2. Touch I<< botton to upward select the track
3. Touch >>I botton to downward select the track
4. Press STOP once to stop playback
5. Click **Area ①** can control Dual-Zone play, enter *PIP* function:

Area ①

AUX-IN Operation

Prees MODE button to enter AUX mode.

DVB-T Operation (Optional)

When switch to DVB-T mode for the fist time after purchasing , press Menu touch key , the sccreen display country and search Mode , after you can select one search mode . immediately performs Channel Search .

Please wait for finishing the Channel Search . If you want to stop the channel Search.press the OK button . If the Channel is stopped or finished , the result of Channel Search is auotomatic savedand display the channels program .

If search operation is successfully completed , and the channel does not exist , press the OK button and try to reset the search operation again if necessary .

When completing Channel Search , the channel automatic save to changes. You can easily set-up using simple organization and options . and watch the broadcasting after completing the set-up procedure .

DVB-T operation functions：

First、Enter the system

After the power system into the DVB working condition. If the database is not television programs into the system interface

Second、Adjust the volume and mute

1、When the DVB system playing in full screen, press 『FAV +/-』 button to adjust volume; and the screen will show the articles of volume:0-10 level

2 、When programs playing in full-screen , press 『MUTE』to mute state , when in mute state,again press 『MUTE』to Unmute state.

Third、Switch TV or Radio programs

when programs playing in full-screen, press 『TV/RADIO』 key to switch TV or Radio programs.

Fourth、Switch TV/Radio program

1、 When programs playing in full-screen, press 『UP/DOWN』 key to switch the previous TV or Radio program (Or the next TV or Radio program);

2、When programs playing in full-screen, press 『ENTER』key to enter the list of programs quickly, then press 『LEFT/RIGHT』key to select classification of the programs from the pop-up list of programs ,press 『UP/DOWN』key move up or down to choose the needs program youself. press 『ENTER』 key to confirm the choiced programs, press『RETURN』 key from the menu;

3、Selection program through 0~9 number keys on the remote

4、Press UP/DOWN button move up or down select favorite programs, press ENTER button to confirm choice of programs, then press CTRL Button to exit the menu.

ISDB-T Operation (Optional)

Click **TV** cion on the ***DVD Main Menu*** can enter ISDB-T ：

1、Click **Menu** cion can enter the menu of TV function

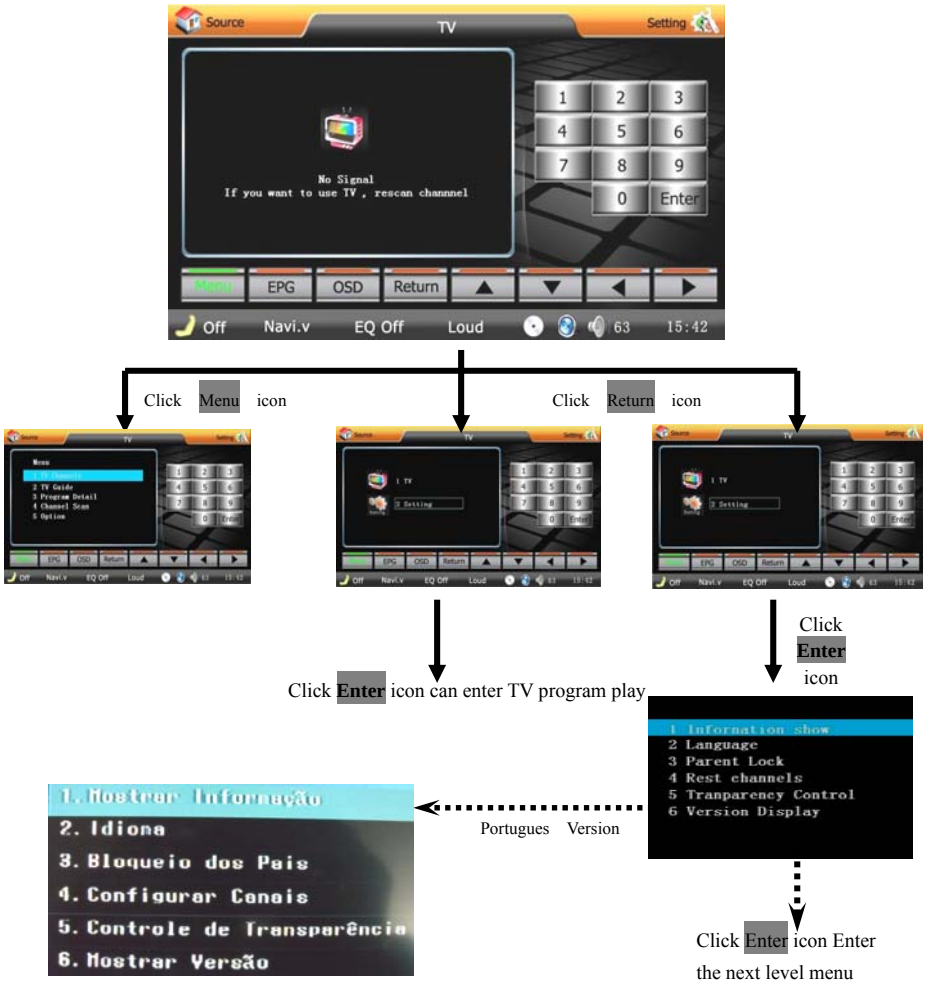
2、Click **Return** cion can enter **TV** and **Setting** menu

3、Click **TV** cion can enter TV program play,click **Setting** icon can enter setting functions, and then move the cursor select the goals menu by ◄ ► ▲ ▼ icon, and finally click **Enter** to confirm or enter the next level menu，or click **Return** icon return the superior Menu

4、**TV Guide**：means that the Electronic Progaram Guide (EPG)

5、**Program Detail**：means that the program content introduction

6、OSD language：English、Japanese、Portugues、Espanol



Bluetooth Operation

Creat Bluetooth Bond:

1、Power on and touch BLUE on the screen .

2、Use your mobile phone and turn on the Bluetooth ,Search the bluetooth device .

3、The device list （such as CAR KIT）will display on your mobile phone after searching successfully.

4、Create a bluetooth bond with the unit 。Create password key four zero （ “**0000**” ）.

5、OK LINK will display on the unit after bonding successfully .

Bluetooth operating :

A．Bluetooth Music Operating：

1 、When you Pairing OK,Click **Music** icon enter the Bluetooth musicplay.Click Source icon return to MAIN MENU.

2 Click **Area** ① can control Dual-Zone play, enter ***PIP*** function:

B．Bluetooth Operating：

Click **Bluetooth** icon on the Main Menuenter Bluetooth Mode:

:Calling out / Answer :Hangup :Cancel

When a new TEL calling in for you,can show the TEL Number on the display ( ),you click icon can answer,or click icon can hungup

When the playing mode is not BLUETOOTH mode now,if have a new TEL calling in, the system can auto change the other mode to Bluetooth mode interface,and can show the new TEL number on the display.

C．Phonebook operating:

you first dialing the number on the area: ,then long press the any blank area on phonebook can complete the storage of phone Numbers

DVD Operation

DVD Video Playback Screen

To enter the DVD Video Playback menu, either press the POWER/SOURCE button repeatedly until the correct screen is displayed, or insert a DVD disc. If DVD mode is already selected, playback will begin automatically when you insert a disc.

DVD Title/Chapter/Time Selection Screen

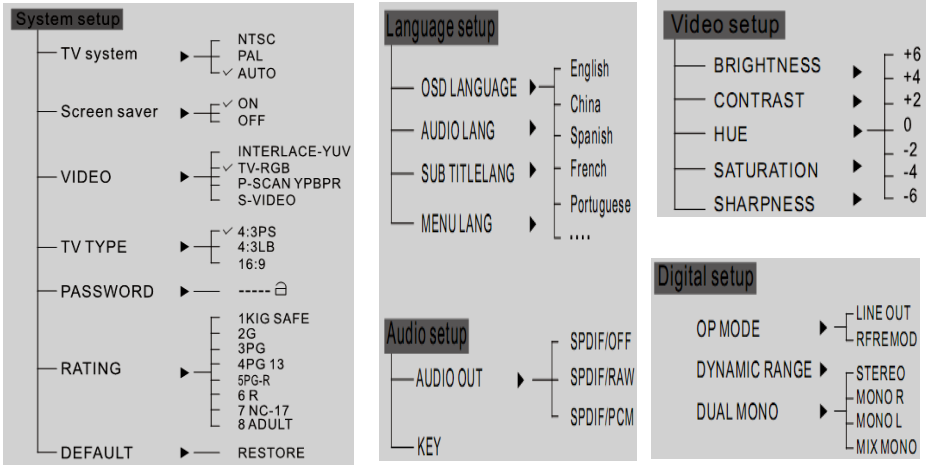
The purpose of this screen is to allow you to choose the specific Title, Chapter or Time you wish to play back from the DVD disc. It opens from the DVD Video Playback screen in either the Title, Chapter or Time mode, depending on which icon you pressed in the DVD Video Playback screen.

Remak:. **When DVD or TV mode，touch the area of the play screen can ZOOM IN ,then touch the upper edge area on the play screeen can ZOOM OUT.**

DVD System Setting：

Click Setup button on the Remote can enter DVD System Setting

Remark：Password is “3308” in DVD System,onlypassword is Correct,then can set level,but need disc support to be effective.



Analog TV Operation (Optional)

To select the Analog TV as the source, press the POWER/MOD button until the Analog TV screen is displayed. The current Source is displayed in the upper left corner of the screen. This page describes various aspects of the Analog TV Source screen. Other Source screens are described on subsequent pages.

1、GH-/CH+：click **CH-** or **CH+** cion to adjust ， when indicates the corresponding frequencies then will be play.

2、Click **Color** cion to select color system ： NTSC、PAL、SECAM

3、Click **Sound** cion to select sound system ： MN、I、H、DK 、BG、 L

4、Click **Search** icon can be automatically search the TV band ,and will be automatically save the searched band ,then choose the band to play.

5、Cick **Fine-** or **Fine+** cion, up or down automatically search for the best radio frequency when the current, so to receive the best results.